

## ABSTRACT OF THE DISCLOSURE

A system for providing wireless communication within a local area network (LAN) onboard a mobile platform. The system includes at least one seat transceiver located in a passenger seating area, and at least one passenger service unit (PSU) located above the passenger seating area. The PSU includes at least one PSU transceiver. Additionally, the system includes a direct path infrared (IR) signal transmission link between the seat transceiver and the PSU transceiver. The direct path IR transmission link transmits data between the seat transceiver and the PSU transceiver.